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IN THE CLAIMS

Please reconsider the claims as follows:

1-105. (Canceled)

106. (Currently amended) Apparatus for upgrading a capability of a set top terminal (STT), the STT adapted to receive a data stream including a plurality of compressed television program signals over a cable television program delivery system, decompress a compressed television program signal and provide a corresponding output signal adapted for use by a display device, the apparatus comprising:

- a STT interface, for enabling communication with the STT, wherein the STT includes a first decryption module, for decrypting a television program signal encrypted according to a first encryption format;

- an upgrade decryption module, for decrypting an encrypted downstream communication signal to provide thereby a compressed downstream communication signal, wherein the upgrade decryption module decrypts the downstream communication signal encrypted according to a second encryption format for a combined audio and video encryption;

- an upgrade encryption module, for encrypting an upstream communication signal comprising audio and video data;

- wherein the apparatus prepares the upstream communication signal for transmission over a transmission network of the cable television program delivery system and provides the television program and a video of the downstream communication signal for simultaneous display of the television program and the video on the display device;

- a means for multiplexing a non-video data signal with the ~~downstream~~ upstream communication signal, wherein a non-video data signal comprises at least one of: an electronic book, data file, document, spreadsheet, graphic, program, text stream, web page or interactive whiteboard; and

- a means for simultaneously displaying the non-video data signal with the television program and the video on the display device.

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107. (Canceled)
108. (Previously presented) The apparatus of claim 106, wherein:
the first encryption format comprises a video encryption.
109. (Previously presented) The apparatus of claim 106, further comprising:
a channel decoder, for selecting a channel including at least one encrypted
downstream communication signal; and
a demultiplexer, for coupling a compressed downstream communication signal to
an upgrade decryption module.
110. (Previously presented) The apparatus of claim 109, further comprising:
an video decompressor, for decompressing the compressed downstream
communication signal provided by said upgrade decryption module.
111. (Previously presented) The apparatus of claim 106, further comprising:
a demultiplexer, coupled to the upgrade decryption module, for demultiplexing
audio and video signals from the decrypted downstream communication signal; and
a synchronizer, for synchronizing the demultiplexed audio and video signals.
112. (Previously presented) The apparatus of claim 106, wherein the STT includes a
first processor for controlling circuitry adapted to receive a data stream including a
plurality of compressed video program signals, decompress a compressed video
program signal and provide a corresponding output signal adapted for use by a display
device, the apparatus further comprising:
an upgrade processor, for communicating with the first processor via the STT
interface, the upgrade processor controlling the upgrade decryption module and the
upgrade encryption module.

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113. (Previously presented) The apparatus of claim 106, wherein the STT is adapted to provide user interface menu imagery via the output signal.

114. (Previously presented) The apparatus of claim 106, wherein the apparatus is adapted to provide user interface menu imagery via the output signal.

115. (Currently amended) A set top terminal (STT) architecture, comprising:

first circuitry adapted to receive a data stream including a plurality of compressed television program signals over a cable television program delivery system, decompress a compressed television program signal and provide a corresponding output signal adapted for use by a display device, wherein the first circuitry includes a first decryptor for decrypting the television program signal encrypted according to a first encryption format; and

upgrade circuitry, adapted to increase a capability of the first circuitry by providing:

an upgrade encryptor, for encrypting an upstream communication signal comprising audio and video data;

an upgrade decryptor, for decrypting an encrypted downstream communication signal to provide thereby a compressed downstream communication signal, wherein the upgrade decryptor for decrypting the downstream communication signal encrypted according to a second encryption format for a combined audio and video encryption,

wherein the upgrade prepares the upstream communication signal for transmission over a transmission network of the television program delivery system; and

a means for multiplexing a non-video data signal with the ~~downstream~~ upstream communication signal, wherein a non-video data signal comprises at least one of: an electronic book, data file, document, spreadsheet, graphic, program, text stream, web page or interactive whiteboard; and

an interface, for enabling communication between the first circuitry and the upgrade circuitry, wherein the architecture provides the television program of the output

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signal and a video of the downstream communication signal for simultaneous display of the television program, the video and the non-video data signal on the display device.

116. (Canceled)

117. (Previously presented) The architecture of claim 115, wherein:
the first encryption format comprises a video encryption format.

118. (Previously presented) The architecture of claim 115, comprising:
an upgrade channel decoder for selecting a channel including at least one encrypted video communication signal; and
an upgrade demultiplexer coupling the compressed video communication stream to an upgrade decompression module.

119. (Previously presented) The apparatus of claim 115, the upgrade circuitry further comprising:
a demultiplexer, coupled to the upgrade decryptor, for demultiplexing audio and video signals from the decrypted downstream communication signal; and
a synchronizer, for synchronizing the demultiplexed audio and video signals.

120. (Currently amended) A set top terminal (STT) adapted to receive a data stream including a plurality of compressed television program signals encrypted according to a first encryption format over a television program delivery system, decompress a compressed television program signal and provide a corresponding output signal adapted for use by a display device, the STT comprising:

an decryption module, for decrypting an encrypted downstream communication signal encrypted according to a second encryption format for a combined audio and video encryption to provide thereby a compressed downstream communication signal;
an encryption module, for encrypting an upstream communication signal comprising audio and video data;

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a transmitter for transmitting the upstream communication signal over a transmission network of the television program delivery system;

a means for multiplexing a non-video data signal with the upstream communication signal, wherein a non-video data signal comprises at least one of: an electronic book, data file, document, spreadsheet, graphic, program, text stream, web page or interactive whiteboard; and

a receiver for receiving the data stream including the encrypted downstream communication signal, the plurality of compressed television program signals and a non-video data signal with the downstream communication signal, ~~wherein a non-video data signal comprises at least one of: an electronic book, data file, document, spreadsheet, graphic, program, text stream, web page or interactive whiteboard over the transmission network of the television delivery system,~~ wherein the STT provides a television program of the output signal and a video of the downstream communication signal for simultaneous display of the television program, the video and the non-video data signal on the display device.

121. (Previously presented) The apparatus of claim 106, wherein the simultaneous display is in a picture-in-picture format.

122. (Previously presented) The STT architecture of claim 115, wherein the simultaneous display is in a picture-in-picture format.

123. (Previously presented) The STT of claim 120, wherein the simultaneous display is in a picture-in-picture format.